



SEQUENCE LISTING

<110> Buchanan, Fiona C.
Thue, Tracy D.
Winkelman-Sim, Dianne

<120> CRH AND POMC EFFECTS ON ANIMAL GROWTH

<130> 0100024.0523741

<140> US 10/814,760

<141> 2004-03-31

<160> 9

<170> FastSEQ for windows Version 4.0

<210> 1

<211> 584

<212> DNA

<213> Bos taurus

<220>

<221> misc_feature

<222> (22)...(22)

<223> SNP present ("CRH4")

<221> misc_feature

<222> (145)...(145)

<223> SNP present ("CRH 45")

<221> misc_feature

<222> (240)...(240)

<223> SNP present ("CRH77")

<300>

<308> GenBank AF340152

<309> 2004-02-12

<400> 1

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| tgccctcccc | gccatgcagg | gccctcctca | gccggggggc | catcccgggt | gcccggcagg | 120 |
| catcacagca | ccccagccc | ctgagtttct | tccagccgcc | gccgcagccc | caggaacccc | 180 |
| aggctctgcc | caccctactc | cgtgttgggg | aggaataactt | cctccgcctg | ggtaacctcg | 240 |
| atgagaccgg | ggctgctccs | ctctctcccg | ccgcctcgcc | tctcgccagc | agaagcagca | 300 |
| gtcgcctttc | tccggacaag | gtggccgcca | actttttccg | agcgctgctg | cagccccggc | 360 |
| gcccattcga | cagcccagcg | ggccccgcgg | aacgcggcac | ggagaacgcc | ctcggcagcc | 420 |
| gccaggaggc | gccggccgcc | aggaagaggc | gatcccagga | acctcccata | tccctggatc | 480 |
| tcaccttcca | cctcctccga | gaagtcttgg | aaatgaccaa | ggccgatcag | ttagcacagc | 540 |
| aagctcatar | caayaggaaa | ctgttgga | ttgctgggaa | atga | | 584 |

<210> 2

<211> 1002

<212> DNA

<213> Bos taurus

<220>

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<223> SNP

<300>

<308> GenBank J00021

<309> 1994-10-30

<400> 2

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| gcggaggag | tggaaggctc | aggcggcgcg | cttgaggggc | gggtgaacgc | cgcggcctgg | 60 |
| agtgggcggg | gcctgacgcg | ctctgccgct | ctccgcaggc | gtgcatccgg | gcctgcaagc | 120 |
| ccgacctctc | cgccgagacg | ccggtgttcc | ccggcaacgg | cgatgagcag | ccgctgactg | 180 |
| agaacccccg | gaagtacgtc | atggggccatt | tccgctggga | ccgcttcggc | cgtcggaatg | 240 |
| gtagcagcag | cagcggagtt | gggggcgcg | cccagaagcg | cgaggaggaa | gtggcggtgg | 300 |
| gcgaaggccc | cgggccccgc | ggcgatgacg | ccgagacggg | tccgcgcgag | gacaagcgtt | 360 |
| cttactccat | ggaacacttc | cgctggggca | agccgggtgg | caagaagcgg | cgcccgggtga | 420 |
| aggtgtaccc | caacggcgcc | gaggacgagt | cggcccaggc | ctttcccctc | gaattcaaga | 480 |
| gggagctgac | cggggagagg | ctcgagcagg | cgcgcgggcc | cgaggcccag | gctgagagtg | 540 |
| cggccgcccc | ggctgagctg | gagtatggcc | tgggtggcga | ggcggaggct | gaggcgggcg | 600 |
| agaagaagga | ctcggggccc | tataagatgg | aacacttccg | ctggggcagc | ccgcccgaag | 660 |
| acaagcgcta | cggcgggttc | atgacctccg | agaagagcca | aacgcccctt | gtcacgctgt | 720 |
| tcaaaaacgc | catcatcaag | aacgcccaca | agaagggccca | gtgaggcgcg | agcgggcagg | 780 |
| ggcctctctc | cgcggaagt | tgaccctgaa | ggcctctctt | ctgccctcct | accgcctcgc | 840 |
| agcctgggtg | aggattcgcc | caggcagtga | tggcgccagg | tatcccgaact | cttaaagctg | 900 |
| tctgtagtta | agaaataaaa | cctttcaagt | ttcacgaata | ttgactgggt | gaattaaaaa | 960 |
| cgcatttcca | tcaagtaaag | ggcagtagat | attggagggg | cg | | 1002 |

<210> 3

<211> 1809

<212> DNA

<213> Bos taurus

<220>

<221> misc_feature

<222> (1069)...(1069)

<223> SNP

<300>

<308> GenBank AF265221

<309> 2001-11-09

<400> 3

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| ctttccagct | ccggagcatg | ggacatttat | tcacagcagg | catgccactc | tccgccgcct | 120 |
| aactttcggt | tggggcaagt | caagactgga | gaaaggtgct | gaggctgcca | gatccaggag | 180 |
| gttcagtcag | tccagagggg | acctgaatcc | aaaatgaact | ctacccagcc | ccttgggatg | 240 |
| cacacctctc | tccactcctg | gaaccgcagc | gcccacggaa | tgcccaccaa | tgtcagttag | 300 |
| tccctggcaa | aaggctactc | ggacgggggg | tgctatgagc | agctctttgt | ctctcccag | 360 |
| gtgtttgtga | ctctgggggt | catcagcttg | ttggagaata | ttctgggtgat | cgtggccata | 420 |
| gccaagaaca | agaatctgca | ctcaccatg | tactttttca | tctgcagcct | ggctgtggct | 480 |
| gacatgttgg | tgagcgtttc | caacgggtcg | gaaaccattg | tcatcaccct | gctgaacagc | 540 |
| acggacacgg | acgcgcagag | cttcacgggt | gatattgaca | atgtcattga | ctcggtgatc | 600 |
| tgtagctcct | tgcttgccct | catctgcagc | ttgctgtcga | tcgcgggtgga | caggtagctc | 660 |
| actatcttct | atgcgctcca | gtaccataac | atcatgacgg | tgaagcgggt | ggcgatcacc | 720 |
| atcagcgcca | tctgggcagc | ctgcacgggt | tcgggcgtct | tgttcatcat | ttactcagac | 780 |
| agcagtgtct | ttatcatctg | cctcatcacc | gtgttcttca | ccatgtctggc | tctcatggcg | 840 |
| tctctctatg | tccacatggt | cctcatggcc | agactccaca | ttaagaggat | cgcggtcctg | 900 |
| ccaggtagcg | gcaccatccg | ccagggcggc | aacatgaagg | gggcgattac | cctgaccata | 960 |
| ctgatcgggg | tctttgttgt | ctgctgggcc | cccttcttcc | tgacactgat | attctacatc | 1020 |
| tcttgtcccc | agaaccata | ctgtgtgtgt | ttcatgtctc | actttaacct | gtacctcatc | 1080 |
| ctcatcatgt | gcaattccat | cattgaccct | ctgatttatg | ccctgcggag | ccaagaactg | 1140 |
| aggaaaacct | tcaaagagat | catttgttgc | tctcctctag | gtggcctctg | tgatttgtct | 1200 |
| agcagatatt | aaatggggac | aaacgcgatg | ctaaacacaa | gcttaagaga | ctttctcctt | 1260 |
| ctcatatgta | caacctgaac | agtctgtatc | agccacagct | ttttcttctg | tgtagggcat | 1320 |
| ggagtgaaaa | tttctattgt | atcagttgaa | ttttgtgatt | ttttcttgat | gtgaaacagt | 1380 |
| gcccagtctt | ggtgtatttt | taatgtcatg | ctactttctg | gctgtaaaat | gtgaatccac | 1440 |
| atcacagggt | ataggcacta | tgcattttata | aaaaaagaag | aaaaaaagtc | cttatgagga | 1500 |
| gtttaacagt | gtttccttct | tgttttttac | aaggatgtga | cacttttgctt | gctttttgtaa | 1560 |
| catggaatc | acagcttcat | taagtatatc | ctcataagtg | gtttttttat | gttatacttt | 1620 |
| acaacactga | agtgtaaaaa | tttgattcta | gcatttaggg | gagaaatatt | gagaacatat | 1680 |
| tgcttaatca | taaaaaacia | gctgaaattt | caggtaattt | aataagactt | tctcattcat | 1740 |

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aaaaaaaaa 1809

<210> 4
<211> 22
<212> DNA
<213> Bos taurus

<220>
<221> misc_feature
<222> (0)...(0)
<223> Forward primer for DNA amplification of sequences
within SEQ ID NO: 1

<400> 4
gcgcccgccta aaatgcgact ga 22

<210> 5
<211> 20
<212> DNA
<213> Bos taurus

<220>
<221> misc_feature
<222> (0)...(0)
<223> Reverse primer for DNA amplification; sequence is
the reverse complement of the corresponding
sequence in SEQ ID NO: 1

<400> 5
ctgtgatgcc tgccgggcac 20

<210> 6
<211> 21
<212> DNA
<213> Bos taurus

<220>
<221> misc_feature
<222> (0)...(0)
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within SEQ ID NO: 2

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<210> 7
<211> 23
<212> DNA
<213> Bos taurus

<220>
<221> misc_feature
<222> (0)...(0)
<223> Reverse primer for DNA amplification; sequence is
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sequence in SEQ ID NO:2

<400> 7
gtcagctccc tcttgaattc gag 23

<210> 8
<211> 20
<212> DNA
<213> Bos taurus

<220>
<221> misc_feature
<222> (0)...(0)
<223> Forward primer for DNA amplification of sequences
within SEQ ID NO: 3

<400> 8
taccctgacc atactgatcg

20

<210> 9
<211> 22
<212> DNA
<213> Bos taurus

<220>
<221> misc_feature
<222> (0)...(0)
<223> Reverse primer for DNA amplification; sequence is
the reverse complement of corresponding sequence
in SEQ ID NO: 3

<400> 9
agagcaacaa atgatctctt tg

22